

## ABSTRACT

A method of accelerating the routing of frames by an acceleration switch within a network. The method includes receiving, by the acceleration switch, frames directed to one of one or  
5 more routers or switches of the network, determining, for at least some of the received frames, whether the frames belong to a first list of frame groups, defined by values of a plurality of frame parameters, and routing, by the acceleration switch, at least some of the received frames, the routed frames being selected responsive to the determining.